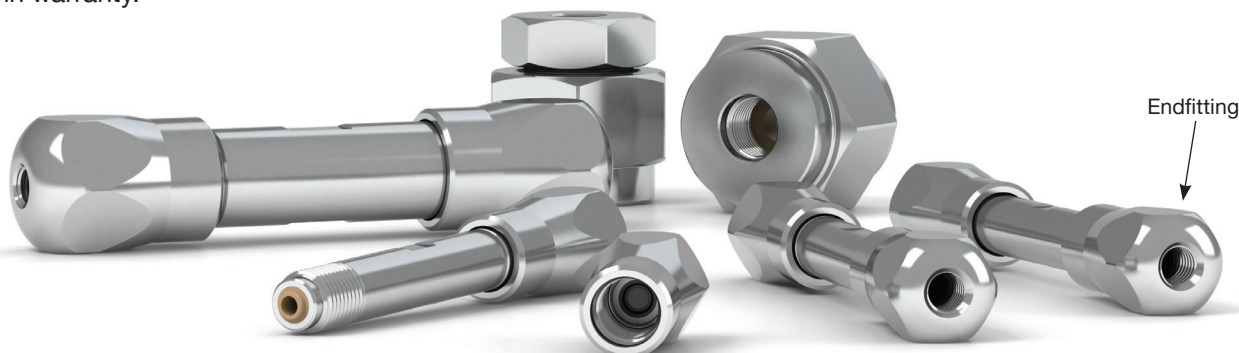


Instructions for Column Connection YMC-Triart Metal-Free Columns





PEEK Lined Stainless Steel Column Hardware



To ensure optimal performance and to prevent damage to the column, please read carefully the information concerning the column connection procedure. Failure to adopt the correct procedure may invalidate the column warranty.



- The column endfittings are Parker-style fitting (10–32 port, port depth 2.0 mm/0.09" for 1/16" OD tubing) although the actual sealing principle is unique.
- Always **hold the column end fitting** when **connecting** or **disconnecting** the tubing fitting to prevent the column head from being loosened as this will cause leakage from the column.
- **Fittings MUST be connected to the column by hand-tightening only.** The column could be irreversibly damaged by using a wrench to tighten it, as connecting this column requires less strength than connecting a standard column.
- If connectors other than those recommended or if the connector is overtightened, parts inside the endfitting will be damaged.
- It is advisable to use PEEK tubing, cut cleanly at exactly 90 degrees to the length for connection to other parts of the system. Where replaceable ferrule fittings are used, always check that the ferrule can move freely along the tubing. Swaged metal ferrules on metal tubing **WILL** cause damage to the frit or column head if over-tightened or have the incorrect port (set) depth.

Recommendation	✓ ✓		✓	
Ferrule	no		Replaceable	
Product	MarvelXACT™	MarvelX™	Handy connector 2	Hand-tight EXP® fitting
Manufacturer	IDEX Health & Science LLC	IDEX Health & Science LLC	YMC Co., Ltd.	Optimize Technologies, Inc.
				
Pressure rating	131 MPa / 1,310 bar	131 MPa / 1,310 bar	42 MPa / 420 bar	137 MPa / 1,370 bar
Product code	e.g. UPFP-YM7050250	e.g. UPFP-6050250	XRP0204	XRHTF-01

MarvelX (ACT) is a registered trademark of IDEX Health & Science LLC · EXP® is a registered trademark of Optimize Technologies, Inc.

- The use of **Viper™** (Thermo Scientific™) fittings is **not** recommended due to its sealing mechanism.
- It is not possible to replace the endfitting and/or column due to any malfunction caused by damage of the internal part of the end fitting.

Please contact your local YMC office or official distributor for more details.